

## ABSTRACT OF THE INVENTION

A method and system for preserving transient data of a telecommunications network element is provided. The method includes correctly sizing a communications buffer that will be used during a communications session with the network element. A communications session is established with the network element, and a set of data-request commands can be executed in batch without user intervention. Data sets are returned in response to the data-request commands, and the data sets are automatically parsed to produce an output file, which includes portions data from the information sets. The output file contains the data portions arranged in a format that is conducive to observation and analysis.